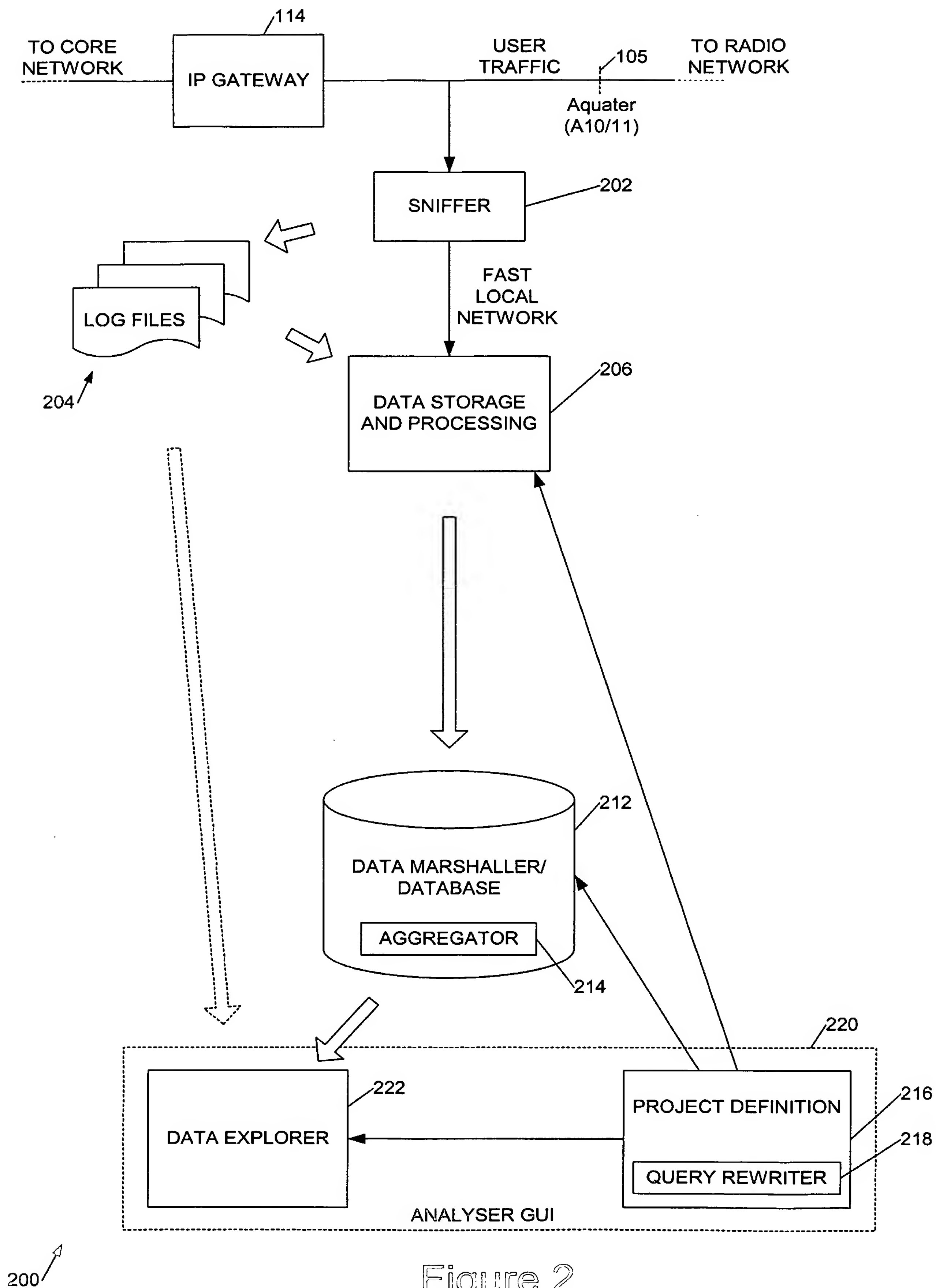


Figure 1

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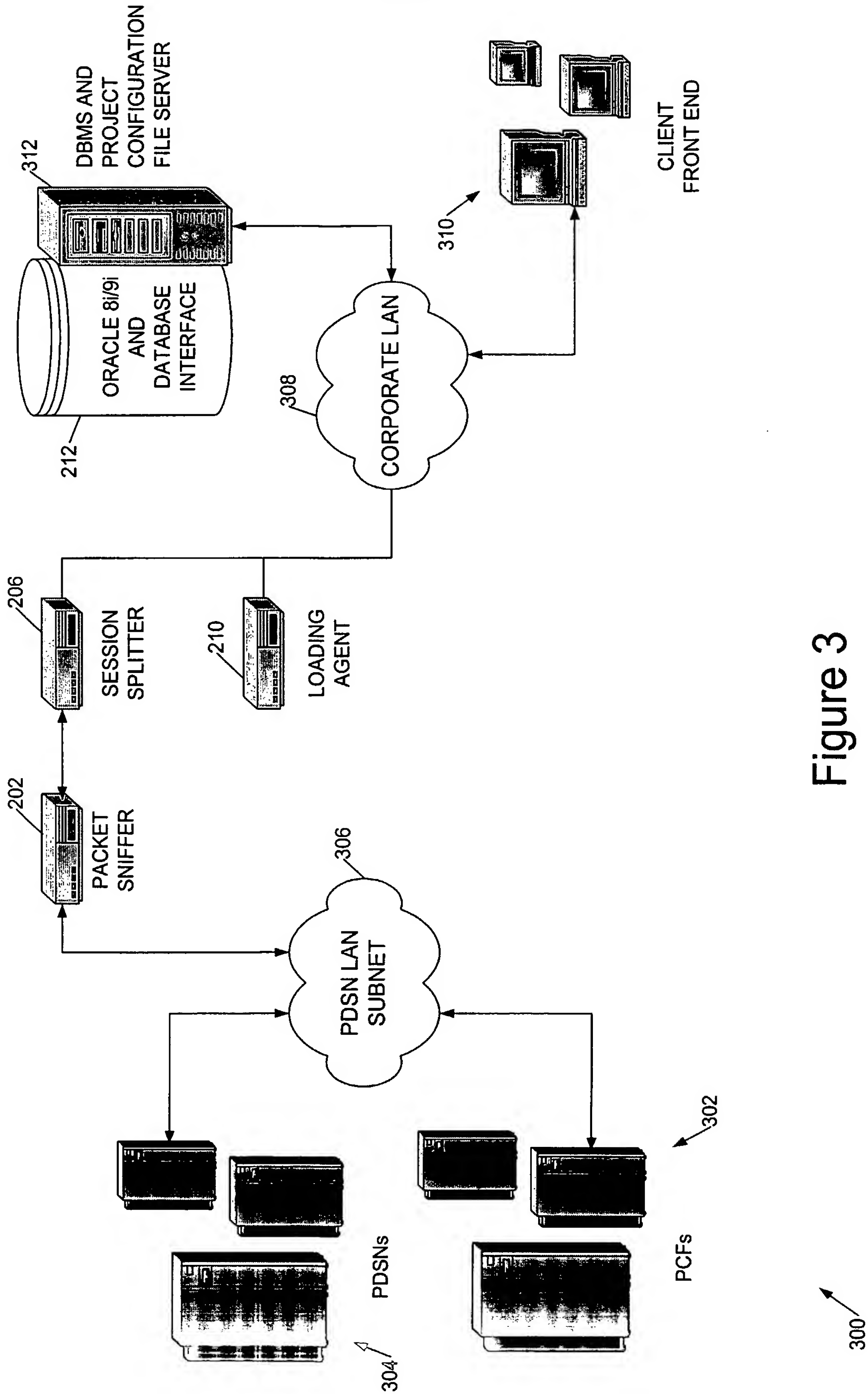


Figure 3

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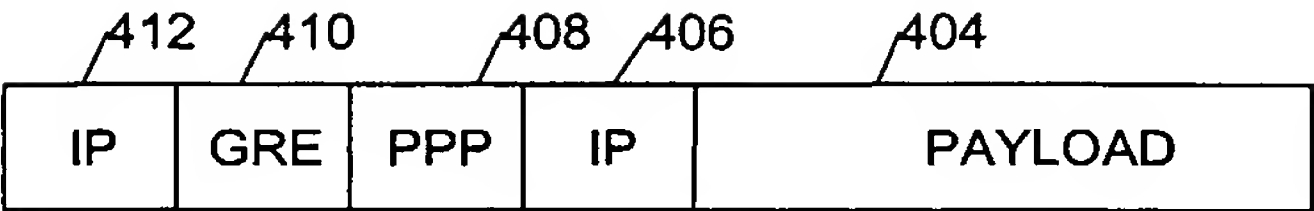
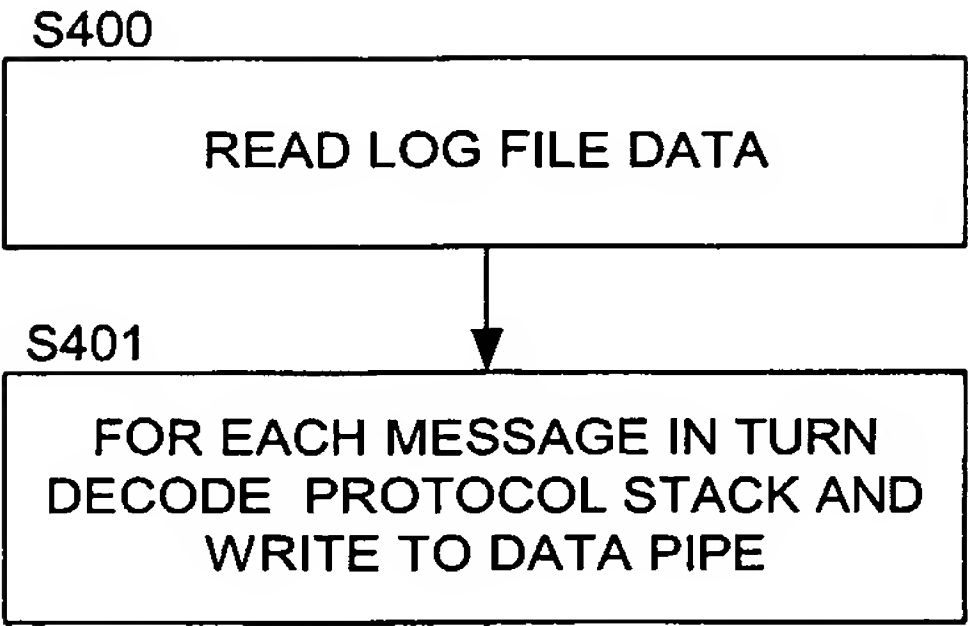


Figure 4b

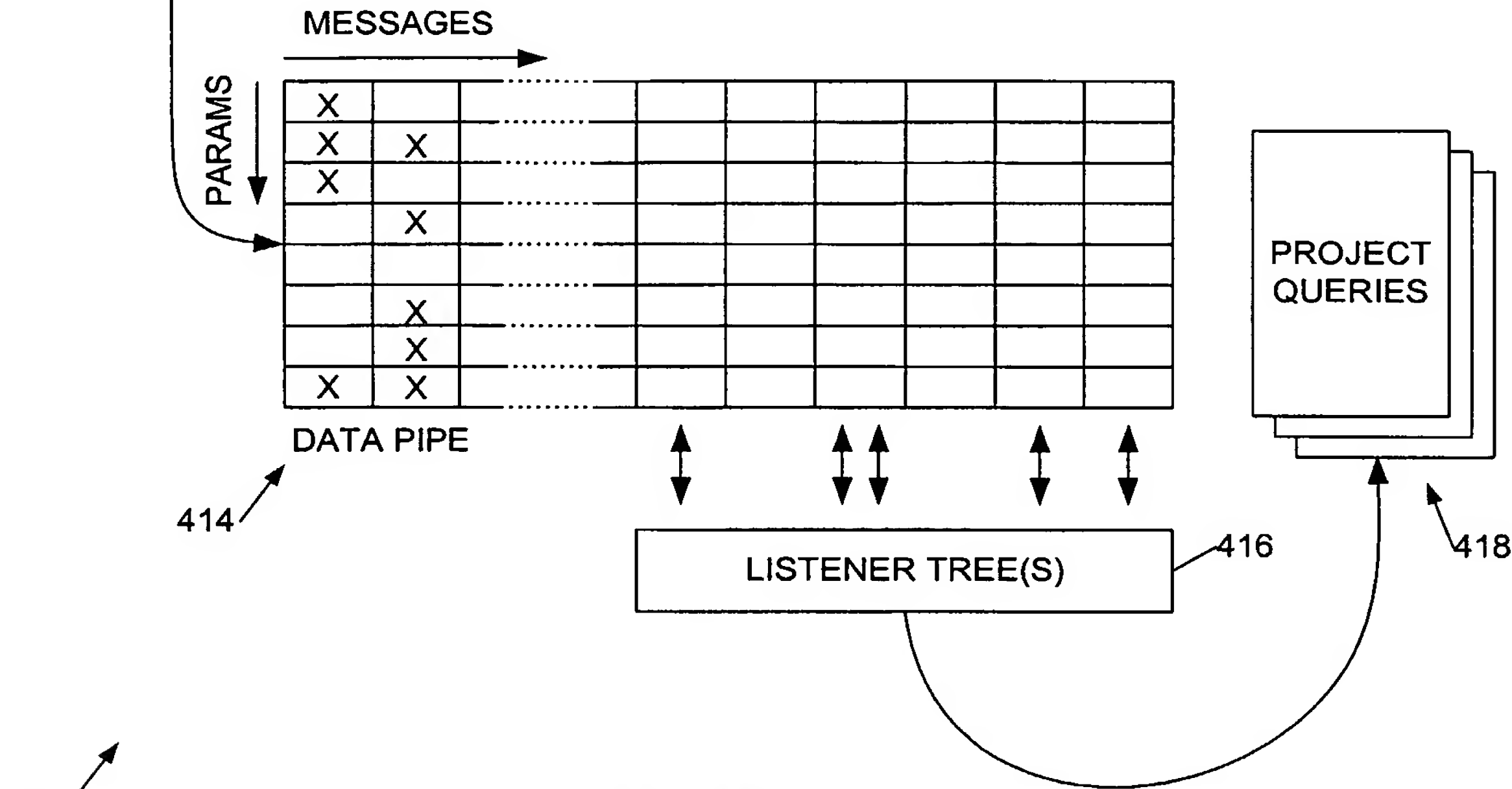


Figure 4a

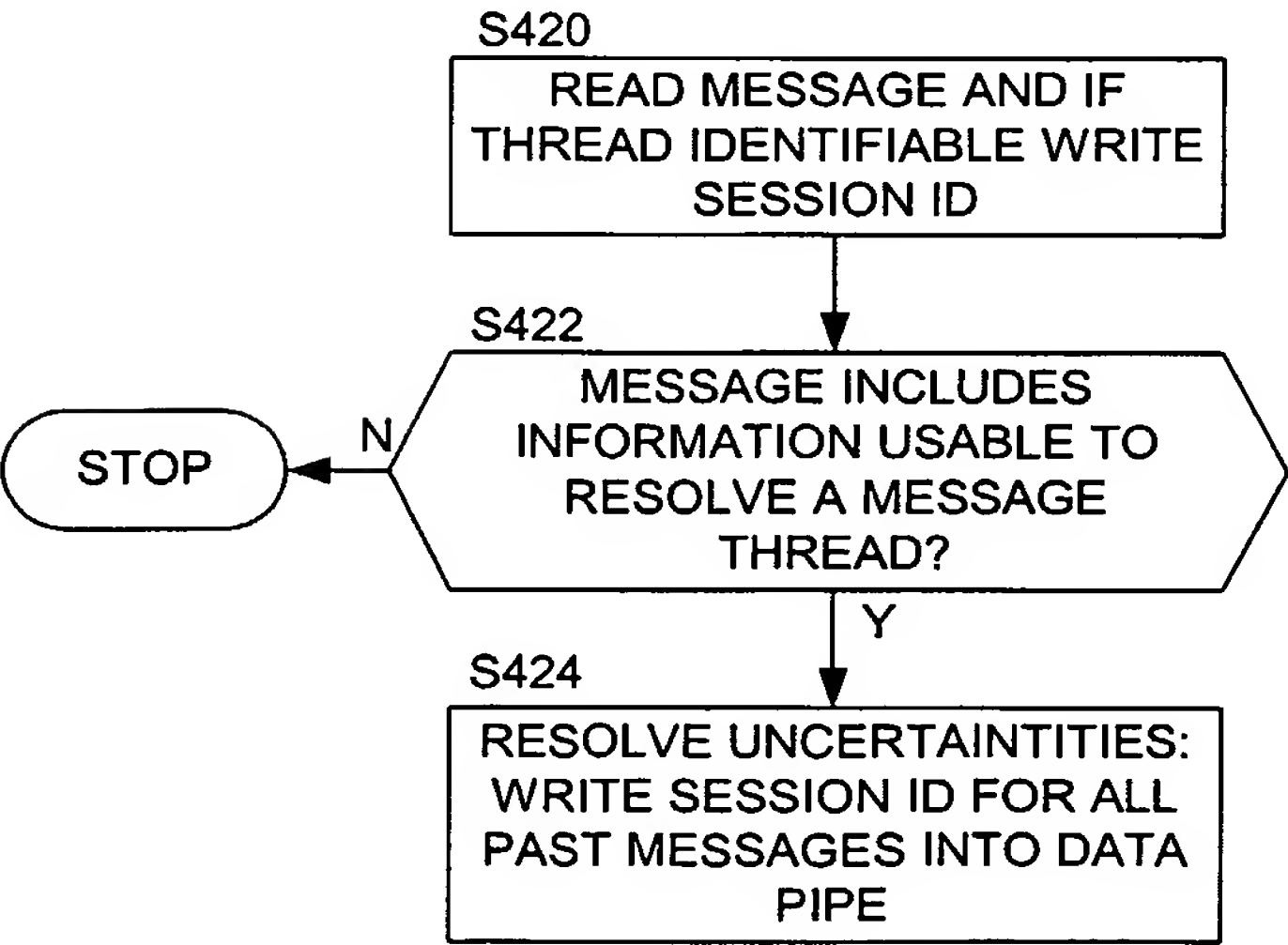


Figure 4c

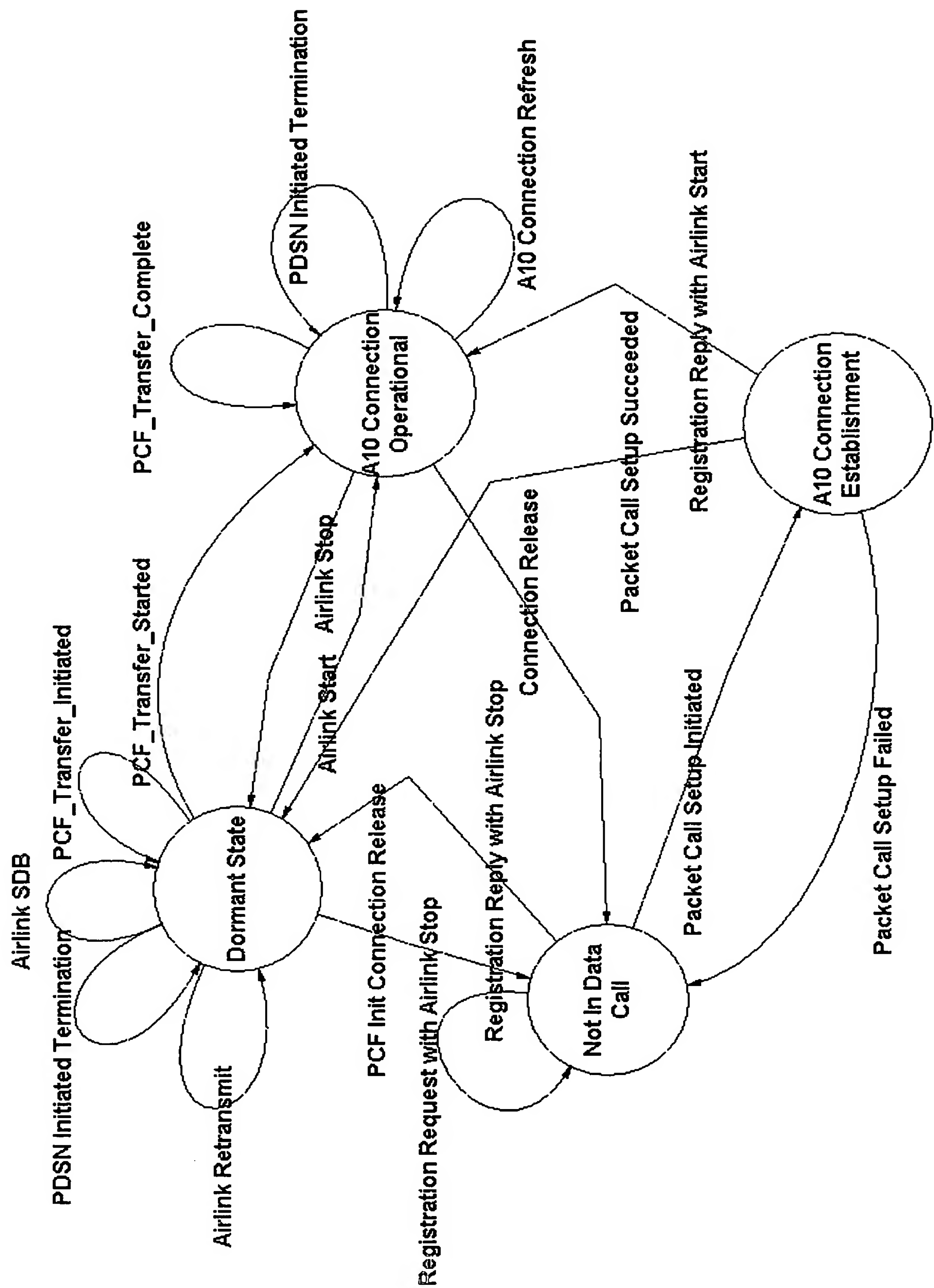


Figure 5a

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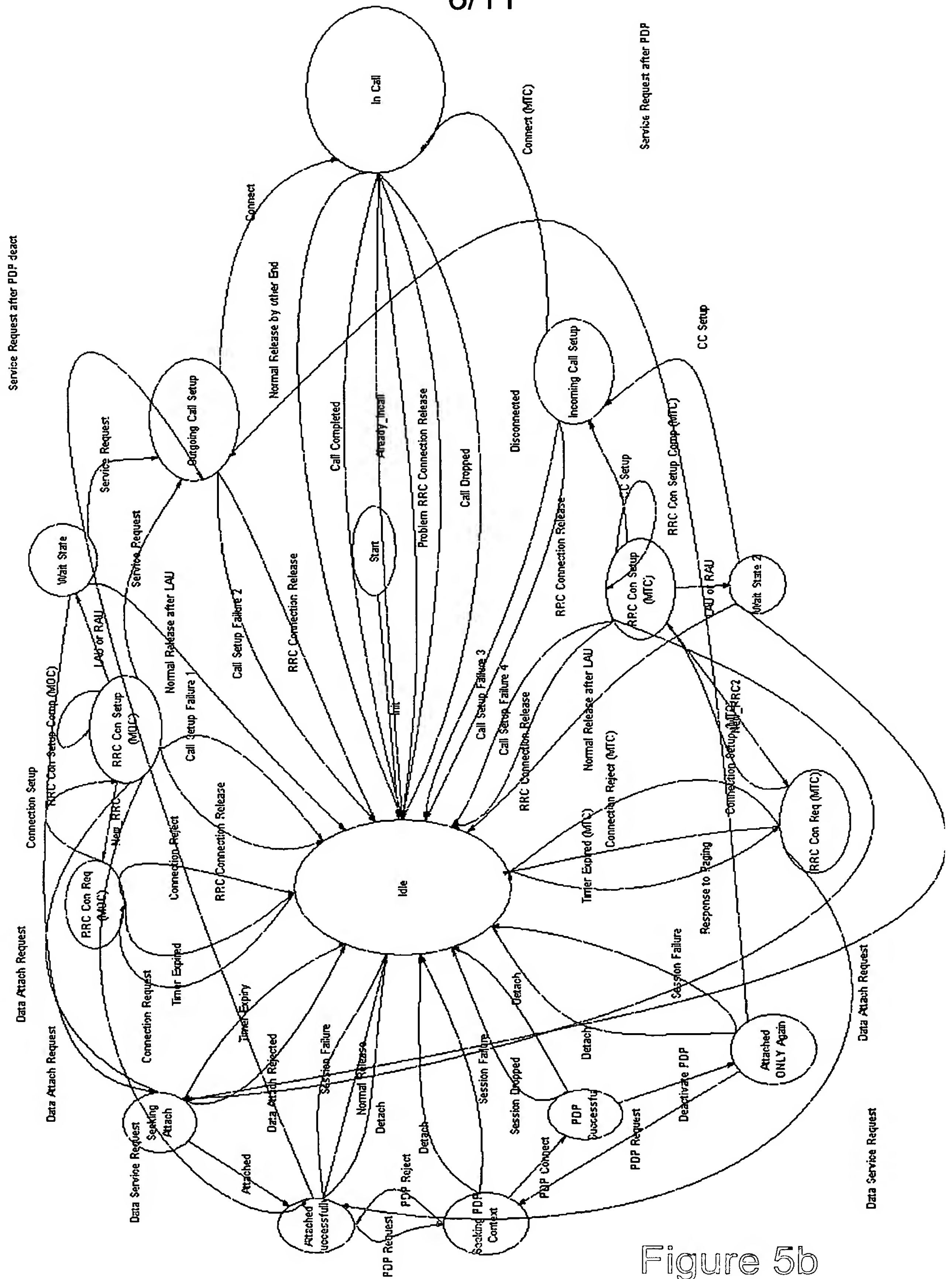


Figure 5b

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| Protocol Stack Browser - 251002_packet_call_Kutoja_1:Nemo3GPP (0) - Uu RRC | | | | | | | |
|--|--------------|--------------|--------|--|------------------|--|--|
| 251002_packet_call_Kutoja_1:Nemo3GPP (0) | | | | | | | |
| Msg No. | Absolute | Relative | Offset | Message | RRC Cause | Layer 3 | Events |
| 000652 | 12:28:57.008 | 00:01:41.008 | 000000 | BCCH-BCH SysInfoType1 | | | |
| 000653 | 12:28:57.008 | 00:01:41.008 | 000000 | BCCH-BCH SysInfoType7 | | | |
| 000669 | 12:29:00.152 | 00:01:44.152 | 003144 | UL-CCCH RRCConnectionRequest | RRC_registration | | |
| 000683 | 12:29:03.267 | 00:01:47.267 | 003115 | UL-CCCH RRCConnectionRequest | RRC_registration | | |
| 000687 | 12:29:03.698 | 00:01:47.698 | 000431 | DL-CCCH RRCConnectionSetup | | | |
| 000688 | 12:29:04.918 | 00:01:48.918 | 000520 | UL-DCCH RRCConnectionSetupComplete | | | |
| 000693 | 12:29:04.679 | 00:01:48.679 | 000361 | UL-DCCH InitialDirectTransfer | | GPRS MM Attach request | |
| 000694 | 12:29:04.679 | 00:01:48.679 | 000000 | | | GPRS MM Attach request | |
| 000695 | 12:29:04.959 | 00:01:48.959 | 000280 | DL-DCCH DownlinkDirectTransfer | | GPRS MM Attach Accept | |
| 000696 | 12:29:04.959 | 00:01:48.959 | 000000 | | | GPRS MM Attach Accept | |
| 000697 | 12:29:04.969 | 00:01:48.969 | 000010 | UL-DCCH UplinkDirectTransfer | | GPRS MM Attach complete | GPRS Attach Successful |
| 000698 | 12:29:04.969 | 00:01:48.969 | 000000 | | | GPRS MM Attach complete | |
| 000712 | 12:29:07.874 | 00:01:51.874 | 002905 | UL-DCCH UplinkDirectTransfer | | GPRS SM Activate PDP Context request | |
| 000713 | 12:29:07.874 | 00:01:51.874 | 000000 | | | GPRS SM Activate PDP Context request | |
| 000714 | 12:29:08.524 | 00:01:52.524 | 000650 | DL-DCCH RadioBearerSetup | | | |
| 000715 | 12:29:08.565 | 00:01:52.565 | 000041 | UL-DCCH RadioBearerSetupComplete | | | |
| 000720 | 12:29:08.835 | 00:01:52.835 | 000270 | DL-DCCH MeasurementControl | | | |
| 000721 | 12:29:09.055 | 00:01:53.055 | 000220 | DL-DCCH DownlinkDirectTransfer | | GPRS SM Activate PDP Context accept | GPRS PDP Context Activation Successful |
| 000722 | 12:29:09.055 | 00:01:53.055 | 000000 | | | GPRS SM Activate PDP Context accept | |
| 000726 | 12:29:09.246 | 00:01:53.246 | 000191 | UL-DCCH MeasurementReport | | | |
| 000731 | 12:29:10.377 | 00:01:54.377 | 001131 | DL-DCCH RadioBearerReconfiguration | | | |
| 000741 | 12:29:11.779 | 00:01:55.779 | 001402 | UL-DCCH RadioBearerReconfigurationComplete | | | |
| 000749 | 12:29:14.233 | 00:01:58.233 | 002454 | UL-DCCH MeasurementReport | | | |
| 000759 | 12:29:19.010 | 00:02:03.010 | 004777 | UL-DCCH MeasurementReport | | | |
| 000800 | 12:29:28.013 | 00:02:12.013 | 009003 | UL-DCCH MeasurementReport | | | |
| 000824 | 12:29:34.061 | 00:02:18.061 | 006048 | UL-DCCH MeasurementReport | | | |
| 000845 | 12:29:40.210 | 00:02:24.210 | 006149 | UL-DCCH MeasurementReport | | | |
| 000859 | 12:29:42.834 | 00:02:26.834 | 002624 | UL-DCCH UplinkDirectTransfer | | GPRS SM Deactivate PDP Context request | |
| 000860 | 12:29:42.834 | 00:02:26.834 | 000000 | | | GPRS SM Deactivate PDP Context request | |
| 000861 | 12:29:43.264 | 00:02:27.264 | 000430 | DL-DCCH DownlinkDirectTransfer | | GPRS SM Deactivate PDP Context accept | GPRS PDP Context Deactivation Successful |
| 000862 | 12:29:43.264 | 00:02:27.264 | 000000 | | | GPRS SM Deactivate PDP Context accept | |
| 000864 | 12:29:43.284 | 00:02:27.284 | 000020 | UL-DCCH UplinkDirectTransfer | | GPRS MM Detach request | GPRS Detach Successful |
| 000866 | 12:29:43.284 | 00:02:27.284 | 000000 | | | GPRS MM Detach request | GPRS Detach Successful |
| 000867 | 12:29:43.485 | 00:02:27.485 | 000201 | DL-DCCH RadioBearerRelease | | | |
| 000872 | 12:29:43.675 | 00:02:27.675 | 000190 | DL-DCCH DownlinkDirectTransfer | | GPRS MM Detach accept | |
| 000873 | 12:29:43.675 | 00:02:27.675 | 000000 | | | GPRS MM Detach accept | |
| 000878 | 12:29:44.937 | 00:02:28.937 | 001262 | UL-DCCH RadioBearerReleaseComplete | | | |
| 000879 | 12:29:45.227 | 00:02:29.227 | 000290 | DL-DCCH RRCConnectionRelease | | | |
| 000880 | 12:29:45.237 | 00:02:29.237 | 000010 | UL-DCCH RRCConnectionReleaseComplete | | | |
| 000295 12:28:04.873 GPRS MM - DETach REQuest UL-DCCH UplinkDirect Transfer | | | | | | | |
| UL_DCCH_Message | | | | | | | |
| - message: uplinkDirect Transfer | | | | | | | |
| - on_DomainIdentity_0: RRC_ps_domain | | | | | | | |
| GPRS Protocol discriminator: GPRS Mobility Management Msg Type: Detach request Force to standby: Force to standby not indicated Power Off: normal detach, Detach Type: (MS->net: GPRS detach) or (net->MS: re-attach required) | | | | | | | |
| Mobile Identity[0]: 244, [1]: 24, [2]: 144, [3]: 75, [4]: 56 | | | | | | | |
| EI: Radio Cause, P-TMSI signature 2: 11288539 | | | | | | | |
| GPRS MM - DETach REQuest | | | | | | | |

Figure 5c

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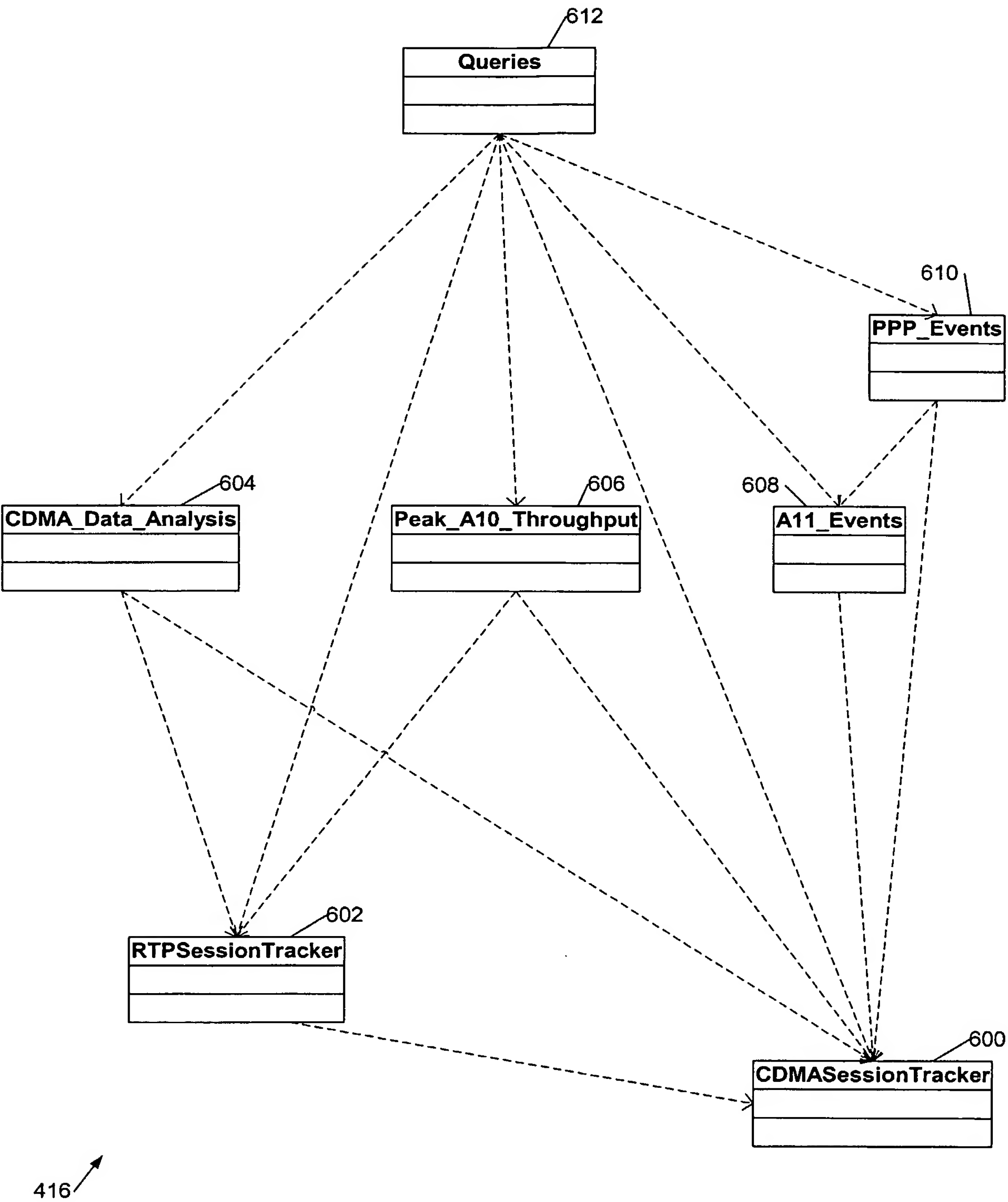


Figure 6

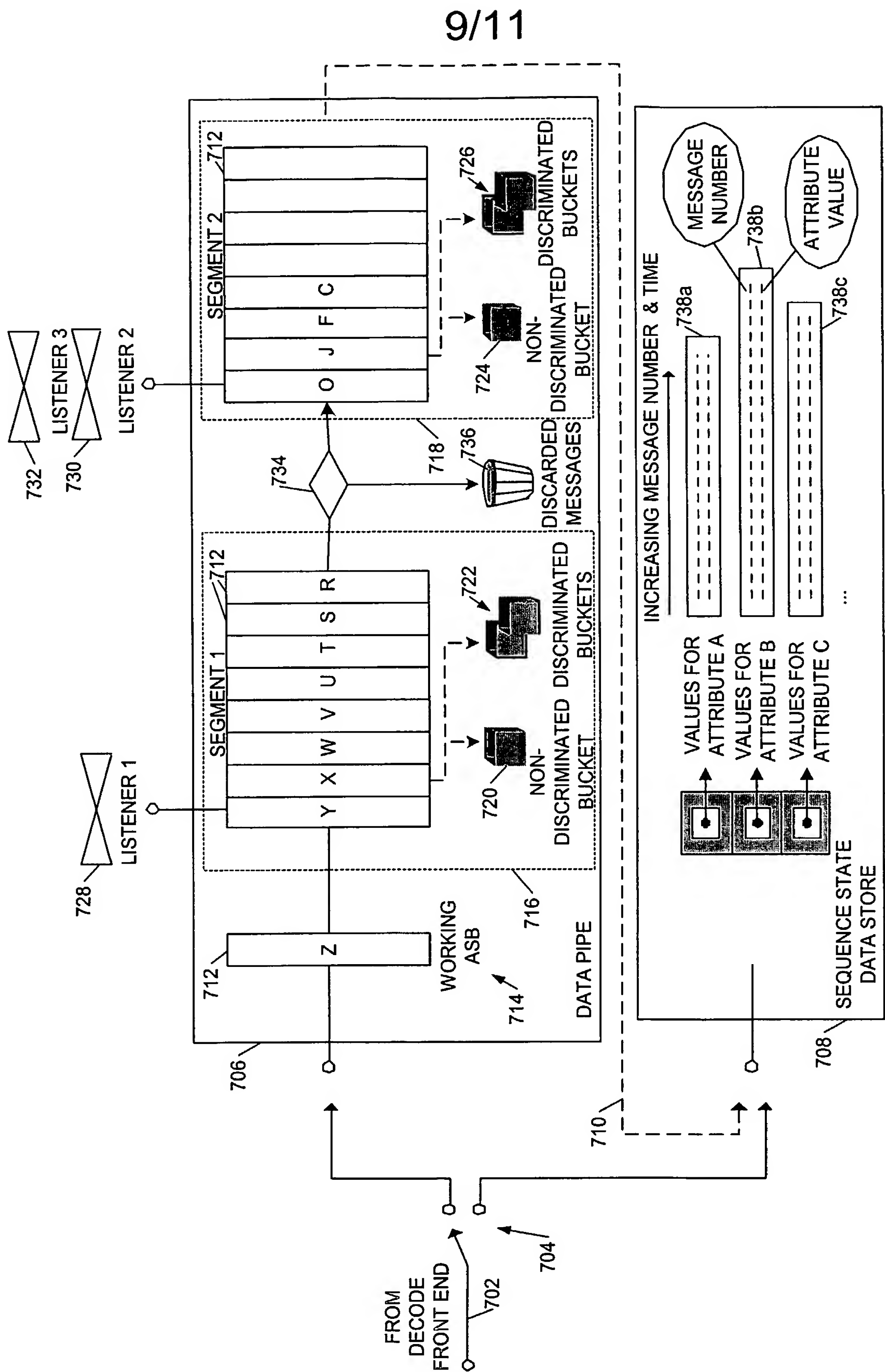


Figure 7a

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BUILD LISTENER
DEPENDENCY
TREE:

S750

INPUT DESIRED OUTPUT
PARAMETERS/QUERIES/PROJECT
DEFINITION

S752

DO UNTIL ALL LISTENERS
ATTRIBUTES REQUIREMENTS MET:

S754

FOR THE CURRENT SET OF
LISTENERS READ THE REQUIRED
ATTRIBUTES FROM THE LISTENER
REQUIREMENTS DATA FILE

S756

DETERMINE THE LISTENERS
NEEDED TO PROVIDE THE
REQUIRED ATTRIBUTESALL ATTRIBUTE
REQUIREMENTS
MET

758

LISTENER
REQUIREMENTS
DATAPRIORITISE
LISTENERS AND
SEGMENT DATA
STRUCTURE:

S760

ATTACH ALL LISTENERS AT
SEGMENT 0, PRIORITY 0

S762

DO, FOR EVERY LISTENER, FOR
EVERY OTHER LISTENER, UNTIL NO
CHANGES:NO
CHANGES

S772

OUTPUT DATA
STRUCTURE
CONFIGURATION
FILE

S764

READ MINIMUM TIME/MESSAGE
REQUIREMENTS DATA

S766

WILL THE PARENT FIRE
SUFFICIENTLY BEFORE ME?

YES

NO

S768

IF A TIME/NO. OF MESSAGES
WINDOW REQUIREMENT MOVE THE
LISTENER UP ONE SEGMENT

S770

IF NO TIME/NO. OF MESSAGES
WINDOW REQUIREMENT INCREASE
THE LISTENER PRIORITY BY ONE

758

LISTENER
REQUIREMENTS
DATA

Figure 7b

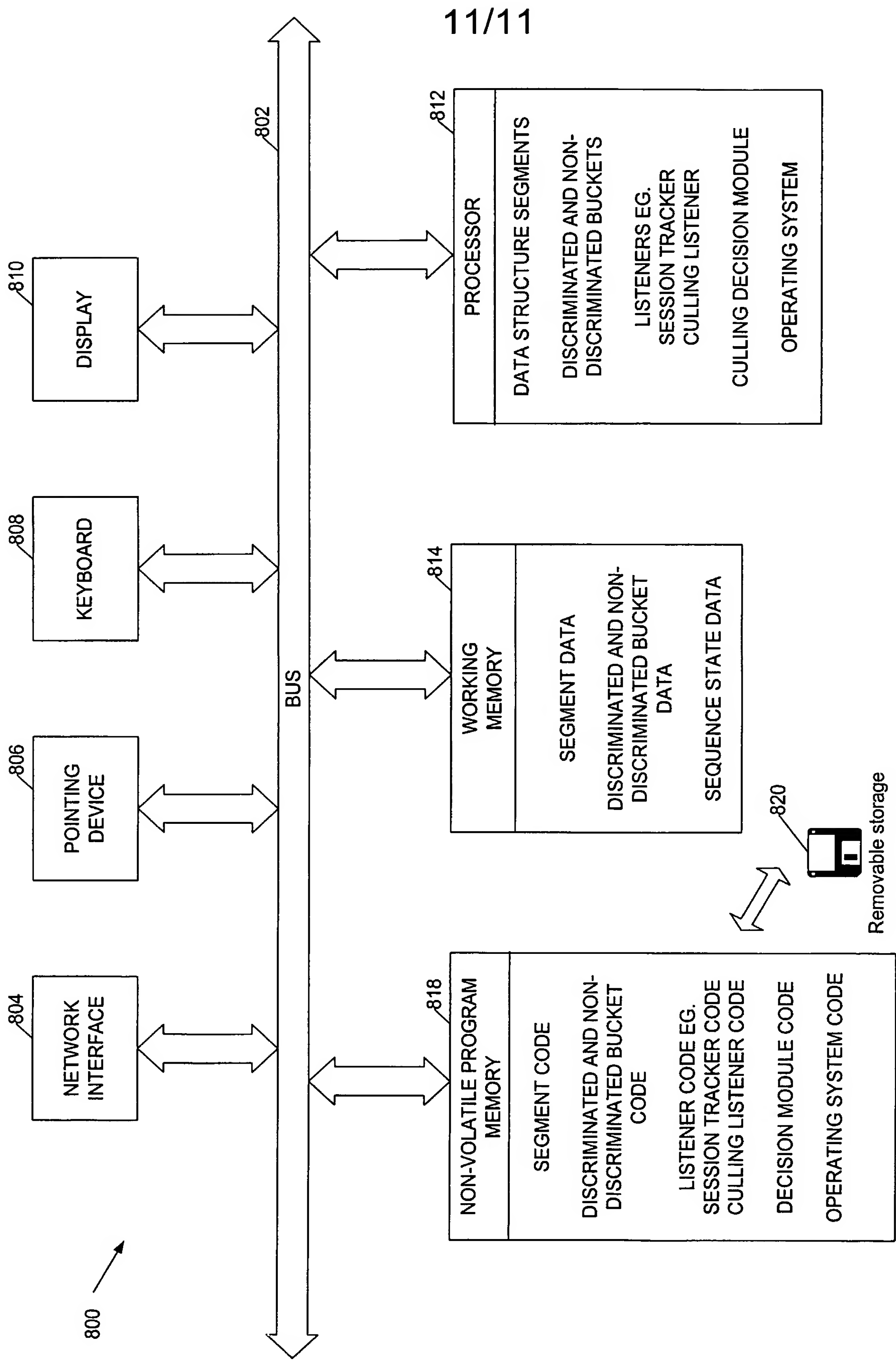


Figure 8